

DERWENT-ACC-NO: 1976-73321X

DERWENT-WEEK: 197639

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TITLE: Appts for melting plastic waste for reuse in which temp
of heating chamber is controlled to minimise formation of
gaseous prods

PATENT-ASSIGNEE: ISHII T[ISHII]

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
JP 76030115 B	August 30, 1976	JA

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 76030115B	N/A	1970JP-094923	October 28, 1970

ABSTRACTED-PUB-NO: JP 76030115 B

BASIC-ABSTRACT:

Appts. for melting and liquefying plastic waste for reuse as reclaimed prod. includes a temp. control means for maintaining the temp. of the heating chamber at a suitable value to minimise formation of gaseous prods. and provide efficient recovery of the plastic. The appts. comprises a heating chamber surrounded by a double shell wall and contg. a number of spaced heating gas tubes communicating with the gas inlet and outlet chambers defined between the two spaced walls of the double shell, a blower for circulating a heating gas through the inlet and outlet chambers and the heating tubes, a screw conveyor for discharging the molten plastic from the bottom of the heating chamber, a combustion chamber for receiving the gaseous prod. from the heating chamber and burning it for reheating the gaseous medium delivered from the outlet chamber around the heating chamber, a control valve disposed upstream of the blower for controlling the temp. of the heating gas to be passed to the heating tubes, and a water jet scrubber for removing chloride from the gaseous prod. by dissolving it in water.

TITLE-TERMS: APPARATUS MELT PLASTIC WASTE REUSE TEMPERATURE HEAT CHAMBER
CONTROL MINIMISE FORMATION GAS PRODUCT

DERWENT-CLASS: A35

CPI-CODES: A11-C; A11-C03;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Multipunch Codes: 03- 231 236 359 371 387 388 421 426 437 504 61- 726